

2/25/2019

Mr. Robert DeMott
Ramboll Environ
10150 Highland Manor Drive
Suite 440
Tampa FL 33610

Project Name: SAL
Project #: 1690010629
Workorder #: 1902323A

Dear Mr. Robert DeMott

The following report includes the data for the above referenced project for sample(s) received on 2/16/2019 at Air Toxics Ltd.

The data and associated QC analyzed by Modified TO-15 SIM are compliant with the project requirements or laboratory criteria with the exception of the deviations noted in the attached case narrative.

Thank you for choosing Eurofins Air Toxics Inc. for your air analysis needs. Eurofins Air Toxics Inc. is committed to providing accurate data of the highest quality. Please feel free to contact the Project Manager: Ausha Scott at 916-985-1000 if you have any questions regarding the data in this report.

Regards,



Ausha Scott
Project Manager

A Eurofins Lancaster Laboratories Company

Eurofins Air Toxics, Inc.

180 Blue Ravine Road, Suite B
Folsom, CA 95630

T | 916-985-1000
F | 916-985-1020
www.airtoxics.com

WORK ORDER #: 1902323A

Work Order Summary

CLIENT:	Mr. Robert DeMott Ramboll Environ 10150 Highland Manor Drive Suite 440 Tampa, FL 33610	BILL TO:	Accounts Payable Ramboll Environ 10150 Highland Manor Drive Suite 440 Tampa, FL 33610
PHONE:	813-628-4325	P.O. #	
FAX:	813-628-4983	PROJECT #	1690010629 SAL
DATE RECEIVED:	02/16/2019	CONTACT:	Ausha Scott
DATE COMPLETED:	02/25/2019		

<u>FRACTION #</u>	<u>NAME</u>	<u>TEST</u>	<u>RECEIPT VAC./PRES.</u>	<u>FINAL PRESSURE</u>
01A	PD-DN-021419	Modified TO-15 SIM	5.0 "Hg	5 psi
01AA	PD-DN-021419 Lab Duplicate	Modified TO-15 SIM	5.0 "Hg	5 psi
02A	DUP-DN-021419	Modified TO-15 SIM	3.5 "Hg	5 psi
03A	WH-DN-021419	Modified TO-15 SIM	6.0 "Hg	5 psi
04A	Lab Blank	Modified TO-15 SIM	NA	NA
05A	CCV	Modified TO-15 SIM	NA	NA
06A	LCS	Modified TO-15 SIM	NA	NA
06AA	LCSD	Modified TO-15 SIM	NA	NA

CERTIFIED BY:



Technical Director

DATE: 02/25/19

This report shall not be reproduced, except in full, without the written approval of Eurofins Air Toxics, Inc.

180 BLUE RAVINE ROAD, SUITE B FOLSOM, CA - 95630
(916) 985-1000 . (800) 985-5955 . FAX (916) 985-1020

Page 2 of 11

ED_002475_00000074-00002

LABORATORY NARRATIVE
EPA TO-15 Ethylene oxide (SIM)
Ramboll Environ
Workorder# 1902323A

Three 6 Liter Summa Canister (100% Certified) samples were received on February 16, 2019. The laboratory performed analysis via EPA Method TO-15 using GC/MS in the SIM acquisition mode for the measurement of Ethylene oxide in ambient air.

This workorder was independently validated prior to submittal using 'USEPA National Functional Guidelines' as generally applied to the analysis of volatile organic compounds in air. A rules-based, logic driven, independent validation engine was employed to assess completeness, evaluate pass/fail of relevant project quality control requirements and verification of all quantified amounts.

Receiving Notes

There were no receiving discrepancies.

Analytical Notes

Ethylene Oxide is not included on the laboratory's NELAP scope of accreditation for TO-15 SIM. However, TO-15 method and NELAP quality requirements were met.

As per project specific client request the laboratory has reported estimated values for target compound hits that are below the Reporting Limit but greater than the Method Detection Limit. All The canisters used for this project have been certified to the Reporting Limit for Ethylene Oxide. Concentrations that are below the level at which the canister was certified may be false positives.

Definition of Data Qualifying Flags

Nine qualifiers may have been used on the data analysis sheets and indicates as follows:

- B - Compound present in laboratory blank greater than reporting limit (background subtraction not performed).

- J - Estimated value.

- S - Saturated peak.

- Q - Exceeds quality control limits.

- U - Compound analyzed for but not detected above the reporting limit, LOD, or MDL value. See data page for project specific U-flag definition.

- UJ- Non-detected compound associated with low bias in the CCV

- N - The identification is based on presumptive evidence.

- CN - See Case Narrative

File extensions may have been used on the data analysis sheets and indicates as follows:

- a-File was requantified

- b-File was quantified by a second column and detector

- r1-File was requantified for the purpose of reissue

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	PD-DN-021419	Date/Time Analyzed:	2/22/19 05:22 PM
Lab ID:	1902323A-01A	Dilution Factor:	1.61
Date/Time Collecte	2/15/19 10:06 AM	Instrument/File name:	msd2.i / 2022211sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethylene Oxide	75-21-8	0.080	D	0.14	0.18

D: Analyte not within the DoD scope of accreditation.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	PD-DN-021419 Lab Duplicate	Date/Time Analyzed:	2/22/19 05:59 PM
Lab ID:	1902323A-01AA	Dilution Factor:	1.61
Date/Time Collecte	2/15/19 10:06 AM	Instrument/File name:	msd2.i / 2022212sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethylene Oxide	75-21-8	0.080	D	0.14	0.24

D: Analyte not within the DoD scope of accreditation.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	DUP-DN-021419	Date/Time Analyzed:	2/22/19 06:36 PM
Lab ID:	1902323A-02A	Dilution Factor:	1.52
Date/Time Collecte	2/15/19 10:07 AM	Instrument/File name:	msd2.i / 2022213sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethylene Oxide	75-21-8	0.075	D	0.14	0.24

D: Analyte not within the DoD scope of accreditation.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	WH-DN-021419	Date/Time Analyzed:	2/22/19 07:14 PM
Lab ID:	1902323A-03A	Dilution Factor:	1.68
Date/Time Collecte	2/15/19 08:50 AM	Instrument/File name:	msd2.i / 2022214sim
Media:	6 Liter Summa Canister (100% Certified)		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethylene Oxide	75-21-8	0.083	D	0.15	0.57

D: Analyte not within the DoD scope of accreditation.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	Lab Blank	Date/Time Analyzed:	2/22/19 01:42 PM
Lab ID:	1902323A-04A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2022207sim
Media:	NA - Not Applicable		

Compound	CAS#	MDL (ug/m3)	LOD (ug/m3)	Rpt. Limit (ug/m3)	Amount (ug/m3)
Ethylene Oxide	75-21-8	0.049	D	0.090	Not Detected

D: Analyte not within the DoD scope of accreditation.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	CCV	Date/Time Analyzed:	2/22/19 10:51 AM
Lab ID:	1902323A-05A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2022203sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
Ethylene Oxide	75-21-8	76

D: Analyte not within the DoD scope of accreditation.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	LCS	Date/Time Analyzed:	2/22/19 11:28 AM
Lab ID:	1902323A-06A	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2022204sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
Ethylene Oxide	75-21-8	92

D: Analyte not within the DoD scope of accreditation.

* % Recovery is calculated using unrounded analytical results.

MODIFIED EPA METHOD TO-15 GC/MS SIM
SAL

Client ID:	LCSD	Date/Time Analyzed:	2/22/19 12:06 PM
Lab ID:	1902323A-06AA	Dilution Factor:	1.00
Date/Time Collecte	NA - Not Applicable	Instrument/Filename:	msd2.i / 2022205sim
Media:	NA - Not Applicable		

Compound	CAS#	%Recovery
Ethylene Oxide	75-21-8	93

D: Analyte not within the DoD scope of accreditation.

* % Recovery is calculated using unrounded analytical results.